

Got STEM?

How to provide our kids with opportunities for hands-on discovery



We know good learning.



Education is the kindling of a flame,
not the filling of a vessel.

- Socrates

It's not that I'm so smart, it's just that I stay
with problems longer.

- Albert Einstein

Our greatest weakness lies in giving up. The most certain way to succeed is always to try one more time.

-Thomas Edison

Education isn't something
you can finish.

-Isaac Asimov

Play is often talked about as if it were a relief from serious learning.

But for children play is serious learning. Play is really the work of childhood.

-Fred Rogers

CALVIN, YOUR MOM AND I
LOOKED OVER YOUR REPORT
CARD, AND WE THINK YOU
COULD BE DOING BETTER.

BUT I DON'T
LIKE SCHOOL.

WHY NOT? YOU LIKE TO
READ AND YOU LIKE TO
LEARN. I KNOW YOU DO.

I MEAN, YOU'VE READ EVERY
DINOSAUR BOOK EVER
WRITTEN, AND YOU'VE
LEARNED A LOT, RIGHT?
READING AND LEARNING
ARE FUN.

YEAH..

SO WHY DON'T
YOU LIKE
SCHOOL?

WE DON'T
READ ABOUT
DINOSAURS.

WRECH



DESIGN COMPETITION



STEM occupations are growing at 17% while all others are growing at 9.8%.

- US Dept. of Commerce (2013)

10 fastest growing jobs are all STEM fields:

Biomedical Engineer
Network System and Data Communications Analyst
Home Health Aide
Personal and Home Care Aide
Financial Examiner
Medical Scientist
Physician Assistant
Skin Care Specialist
Biochemist and Biophysicist
Athletic Trainer

-US Dept of Labor (2011 study projected by 2018)



When do you teach
Science, Technology,
Engineering, and
Math?

We ran out of time for
the fun stuff.

The Proposal



The Publicity



The Interest



The Auditions



The “Now What?”

The Fun



MIT's Scratch Animation Program



Hour of Code



Flight



Brains



RUBE GOLDBERG

Rube Goldberg

The Reflection



Got QUESTIONS?

Thank you for coming!